



PROPOSAL SUBMITTED BY		
LEDolas		
Contractor's Name		
420 South Clinton Street-501		
Street		P.O. Box
Chicago	IL	60607
City	State	Zip Code

STATE OF ILLINOIS
COUNTY DuPage
Westmont
(Name of City, Village, Town or Road District)

FOR THE IMPROVEMENT OF
STREET NAME OR ROUTE 2016 CBD Pedestrian LED Retrofit Lighting Project
SECTION NO. n/a
TYPES OF FUNDS Capital Improvement (non-MFT)

☒ SPECIFICATIONS (required)

☐ PLANS (required)

☒ CONTRACT BOND (when required)

For Municipal Projects Submitted/Approved/Passed  <input type="checkbox"/> Mayor <input type="checkbox"/> President of Board of Trustees <input checked="" type="checkbox"/> Municipal Official Date <u>02/18/2016</u>
--

Department of Transportation <input type="checkbox"/> Concurrence in approval of award _____ Regional Engineer Date _____
--

For County and Road District Projects Submitted/Approved _____ Highway Commissioner _____ Date Submitted/Approved _____ County Engineer/Superintendent of Highways _____ Date
--

RETURN WITH BID

NOTICE TO BIDDERS

County DuPage
 Local Public Agency Westmont
 Section Number n/a
 Route Cass Avenue

Sealed proposals for the improvement described below will be received at the office of Municipal Services,
31 W. Quincy Street, Westmont, IL 60559 until 10:00 AM on February 18, 2016
 Address Time Date

Sealed proposals will be opened and read publicly at the office of Village Hall Board Room
31 W. Quincy Street, Westmont, IL 60559 at 10:00 AM on February 18, 2016
 Address Time Date

DESCRIPTION OF WORK

Name 2016 CBD Pedestrian LED Retrofit Lighting Project Length: _____ feet (_____ miles)

Location Village of Westmont Central Business District (CBD)

Proposed Improvement Work consists of furnishing 150 LED retrofit unit on each CBD pedestiran pole within the existing acorn globe thru the Village's CBD..

- Plans and proposal forms will be available in the office of Village Clerk @ 31 W. Quincy Street, Westmont, IL 60559
 and downloadable copy from www.westmont.il.gov. Contact: Mr. Noriel Noriega @ 630-981-6295 or nnoriega@westmont.il.gov
 Address
- ☐ Prequalification
 If checked, the 2 low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57), in duplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority and one original with the IDOT District Office.
- The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.
- The following BLR Forms shall be returned by the bidder to the Awarding Authority:
 - BLR 12200: Local Public Agency Formal Contract Proposal
 - BLR 12200a Schedule of Prices
 - BLR 12230: Proposal Bid Bond (if applicable)
 - BLR 12325: Apprenticeship or Training Program Certification (**do not use for federally funded projects**)
 - BLR 12326: Affidavit of Illinois Business Office
- The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.
- Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
- The bidder shall take no advantage of any error or omission in the proposal and advertised contract.
- If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.
- Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

RETURN WITH BID

PROPOSAL

County DuPage
 Local Public Agency Westmont
 Section Number n/a
 Route Cass Avenue

1. Proposal of LEDolas (Material Only)

for the improvement of the above section by the construction of Furnishing 150 LED retrofit unit on each of the Village's
CBD pedestrian light poles within the existing acorn style globe.

a total distance of _____ feet, of which a distance of _____ feet, (_____ miles) are to be improved.

2. The plans for the proposed work are those prepared by Village of Westmont Public Works Department
 and approved by the Department of Transportation on _____
3. The specifications referred to herein are those prepared by the Department of Transportation and designated as
 "Standard Specifications for Road and Bridge Construction" and the "Supplemental Specifications and Recurring Special
 Provisions" thereto, adopted and in effect on the date of invitation for bids.
4. The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check
 Sheet for Recurring Special Provisions" contained in this proposal.
5. The undersigned agrees to complete the work within n/a working days or by 04/15/2016
 unless additional time is granted in accordance with the specifications.
6. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and
 Conditions for Contract Proposals, will be required. Bid Bonds will be allowed as a proposal guaranty. Accompanying this
 proposal is either a bid bond if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the
 specifications, made payable to:

Village _____ Treasurer of Westmont

The amount of the check is 5% Bid Bond (\$2,500.00).

7. In the event that one proposal guaranty check is intended to cover two or more proposals, the amount must be equal to
 the sum of the proposal guaranties, which would be required for each individual proposal. If the proposal guaranty check
 is placed in another proposal, it will be found in the proposal for: Section Number n/a N/A.
8. The successful bidder at the time of execution of the contract will be required to deposit a contract bond for the full
 amount of the award. When a contract bond is not required, the proposal guaranty check will be held in lieu thereof. If this
 proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed
 that the Bid Bond or check shall be forfeited to the Awarding Authority.
9. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the
 product of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will
 be divided by the quantity in order to establish a unit price.
10. A bid will be declared unacceptable if neither a unit price nor a total price is shown.
11. The undersigned submits herewith the schedule of prices on BLR 12200a covering the work to be performed under this
 contract.
12. The undersigned further agrees that if awarded the contract for the sections contained in the combinations on
 BLR 12200a, the work shall be in accordance with the requirements of each individual proposal for the multiple bid
 specified in the Schedule for Multiple Bids below.

SCHEDULE OF PRICES

Route Cass Avenue

Combination Letter	Sections Included in Combinations	Total

Bidder's Proposal for making Entire Improvements

BLR 12200a (01/08/14

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CONTRACTOR CERTIFICATIONS

County	DuPage
Local Public Agency	Westmont
Section Number	n/a
Route	Cass Avenue

The certifications hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder.

1. **Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedures established by the appropriate revenue Act, its liability for the tax or the amount of tax. Making a false statement voids the contract and allows the Department to recover all amounts paid to the individual or entity under the contract in a civil action.
2. **Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

A violation of Section 33E-3 would be represented by a conviction of the crime of bid-rigging which, in addition to Class 3 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be barred for 5 years from the date of conviction from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent in behalf of the corporation.

A violation of Section 33E-4 would be represented by a conviction of the crime of bid-rotating which, in addition to Class 2 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be permanently barred from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent in behalf of the corporation.

3. **Bribery.** The bidder or contractor or subcontractor, respectively, certifies that it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.
4. **Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative Code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be cancelled.

RETURN WITH BID

SIGNATURES

County DuPage
Local Public Agency Westmont
Section Number n/a
Route Cass Avenue

(If an individual)

Signature of Bidder _____

Business Address _____

(If a partnership)

Firm Name _____

Signed By _____

Business Address _____

Inset Names and Addressed of All Partners



(If a corporation)

Corporate Name LEDolas

Signed By  _____
President

Business Address 1500 West Monroe - Ste 123
Chicago, Illinois 60607

Inset Names of Officers

President David A. Cintron, Jr., AIA, LEED A.P.

Secretary David A. Cintron, Jr., AA, LEED A.P.

Treasurer David A. Cintron, Jr., AA, LEED A.P.

Attest:



Secretary



RETURN WITH BID

Route Cass Avenue
County DuPage
Local Agency Westmont
Section N/A

PAPER BID BOND

WE at LEDolas are submitting an attached proposal guarantee check in lieu of a Bid Bond as per BLR 12200 as PRINCIPAL,
and N/A as SURETY.

are held jointly, severally and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of 5% of the total bid price, or for the amount specified in the proposal documents in effect on the date of invitation for bids whichever is the lesser sum. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly pay to the LA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written proposal to the LA acting through its awarding authority for the construction of the work designated as the above section.

THEREFORE if the proposal is accepted and a contract awarded to the PRINCIPAL by the LA for the above designated section and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful performance of the work, and furnish evidence of the required insurance coverage, all as provided in the "Standard Specifications for Road and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in full force and effect.

IN THE EVENT the LA determines the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the LA acting through its awarding authority shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this 17 day of February, 2016

Principal

LEDolas
(Company Name)
By: [Signature]
(Signature and Title)

N/A
(Company Name)
By: _____
(Signature and Title)

(If PRINCIPLE is a joint venture of two or more contractors, the company names, and authorized signatures of each contractor must be affixed.)

Surety

N/A
(Name of Surety)

By: _____
(Signature of Attorney-in-Fact)

STATE OF ILLINOIS,

COUNTY OF COOK

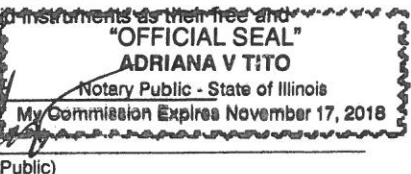
I, Adriana V. Tito, a Notary Public in and for said county,
do hereby certify that David A. Cintron Jr.

(Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL and SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instruments as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 17th day of February

My commission expires 11.17.2018



ELECTRONIC BID BOND

☐ Electronic bid bond is allowed (box must be checked by LA if electronic bid bond is allowed)

The Principal may submit an electronic bid bond, in lieu of completing the above section of the Proposal Bid Bond Form. By providing an electronic bid bond ID code and signing below, the Principal is ensuring the identified electronic bid bond has been executed and the Principal and Surety are firmly bound unto the LA under the conditions of the bid bond as shown above. (If PRINCIPAL is a joint venture of two or more contractors, an electronic bid bond ID code, company/Bidder name title and date must be affixed for each contractor in the venture.)

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Electronic Bid Bond ID Code

(Company/Bidder Name)

(Signature and Title)

Date



**Illinois Department
of Transportation**

**Apprenticeship or Training
Program Certification**

Return with Bid

Route Cass Avenue
County DuPage
Local Agency Westmont
Section N/A

All contractors are required to complete the following certification:

- ☒ For this contract proposal or for all groups in this deliver and install proposal. **(MATERIAL ONLY) N/A**
- ☐ For the following deliver and install groups in this material proposal:

N/A

Illinois Department of Transportation policy, adopted in accordance with the provisions of the Illinois Highway Code, requires this contract to be awarded to the lowest responsive and responsible bidder. The award decision is subject to approval by the Department. In addition to all other responsibility factors, this contract or deliver and install proposal requires all bidders and all bidders' subcontractors to disclose participation in apprenticeship or training programs that are (1) approved by and registered with the United States Department of Labor's Bureau of Apprenticeship and Training, and (2) applicable to the work of the above indicated proposals or groups. Therefore, all bidders are required to complete the following certification:

- I. Except as provided in paragraph IV below, the undersigned bidder certifies that it is a participant, either as an individual or as part of a group program, in an approved apprenticeship or training program applicable to each type of work or craft that the bidder will perform with its own employees.
- II. The undersigned bidder further certifies for work to be performed by subcontract that each of its subcontractors submitted for approval either (A) is, at the time of such bid, participating in an approved, applicable apprenticeship or training program; or (B) will, prior to commencement of performance of work pursuant to this contract, establish participation in an approved apprenticeship or training program applicable to the work of the subcontract.
- III. The undersigned bidder, by inclusion in the list in the space below, certifies the official name of each program sponsor holding the Certificate of Registration for all of the types of work or crafts in which the bidder is a participant and that will be performed with the bidder's employees. Types of work or craft that will be subcontracted shall be included and listed as subcontract work. The list shall also indicate any type of work or craft job category for which there is no applicable apprenticeship or training program available.

N/A

- IV. Except for any work identified above, any bidder or subcontractor that shall perform all or part of the work of the contract or deliver and install proposal solely by individual owners, partners or members and not by employees to whom the payment of prevailing rates of wages would be required, check the following box, and identify the owner/operator workforce and positions of ownership. ☐

N/A

The requirements of this certification and disclosure are a material part of the contract, and the contractor shall require this certification provision to be included in all approved subcontracts. The bidder is responsible for making a complete report and shall make certain that each type of work or craft job category that will be utilized on the project is accounted for and listed. The Department at any time before or after award may require the production of a copy of each applicable Certificate of Registration issued by the United States Department of Labor evidencing such participation by the contractor and any or all of its subcontractors. In order to fulfill the participation requirement, it shall not be necessary that any applicable program sponsor be currently taking or that it will take applications for apprenticeship, training or employment during the performance of the work of this contract or deliver and install proposal.

Bidder: LEDolas

By: 
(Signature)

Address: 1500 W. Monroe St, Chicago, IL 60607

Title: Managing Director



**Illinois Department
of Transportation**

Affidavit of Illinois Business Office

County DuPage
Local Public Agency Westmont
Section Number N/A
Route Cass Avenue

State of Illinois)
) ss.
County of Cook)

I, David A. Cintron, Jr. of Chicago, Illinois,
(Name of Affiant) (City of Affiant) (State of Affiant)

being first duly sworn upon oath, states as follows:

1. That I am the Managing Director of LEDolas,
officer or position bidder

2. That I have personal knowledge of the facts herein stated.

3. That, if selected under this proposal, LEDolas, will maintain a
(bidder)

1500 W. Monroe, Chicago,
business office in the State of Illinois which will be located in IL, Cook County, Illinois.

4. That this business office will serve as the primary place of employment for any persons employed in the construction contemplated by this proposal.

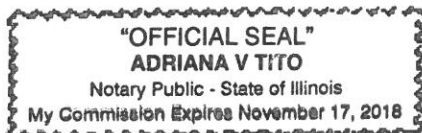
5. That this Affidavit is given as a requirement of state law as provided in Section 30-22(8) of the Illinois Procurement Code.

(Signature)

David A. Cintron, Jr.
(Print Name of Affiant)

This instrument was acknowledged before me on 17 day of February, 2016.

(SEAL)



(Signature of Notary Public)



LEDOLAS

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www.LEDOLAS.com

**Decorative Globes - High and Low Poles
Municipal Street Lighting Retrofit (No Labor -150)**

Sustainability Assessment

Lighting*

Simple Payback / Annual Return on Investment (%)

Proposed Savings (kWh)	47,174
Annual Energy Savings	\$ 5,661
Proposed Material Cost	\$50,250
Grant Amount	\$25,000
Simple Payback (Years)	4.46
Annual Return on Investment	22.42%

*This Proposal is for the material replacement of LED lamps and fixtures only.
LEDolas can provide an installation proposal upon request.

North America
Chicago 312 .491 .9069
New York 646 .314 .1445

1/21/2016

International
Chile 56 .32 .319 .0570



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Decorative Globes - High and Low Poles

Financial Summary

Savings Summary Table

Energy Rate (\$/kWh)	\$ 0.120 †
Percent increase in kWh (Yearly)	3.00%
Discount rate	8.00%
Inflation Rate	3.00%

	Year 1	Year 5	Year 10	Year 15	Year 20
Energy Savings (kWh)	47,174	235,872	471,744	707,616	943,488
Energy Cost Savings (\$)	\$ 5,661	\$ 30,055	\$ 64,896	\$ 105,287	\$ 152,111
Maintenance Savings (\$)	\$ 1,687	\$ 8,957	\$ 19,341	\$ 31,379	\$ 45,334
Total Energy and Maintenance Savings (\$)	\$ 7,348	\$ 39,012	\$ 84,237	\$ 136,666	\$ 197,445
NPV of Proposed System Savings (\$)**	\$ (15,446)	\$ 8,761	\$ 33,229	\$ 52,533	\$ 67,764
Internal Rate of Return (%)	NA	22%	34%	35%	36%

Results (Cumulative)*

	Year 1	Year 5	Year 10	Year 15	Year 20
Typical System Life Cycle Cost (\$)	\$ 13,179	\$ 57,039	\$ 119,685	\$ 192,310	\$ 276,501
Proposed System Life Cycle Cost (\$)	\$ 28,080	\$ 40,277	\$ 57,698	\$ 77,894	\$ 101,306

System Related Costs, Simple Payback and Impacts

Proposed System Cost (\$) ***	\$ 25,250
Simple Payback (Years)	4.46
One-time Assessment Fee (Material and Labor)	\$ -
Cost of Waiting per Month (\$)	\$ 3,931
Total CO2 Reduction (Tons per Year)	5.65

Financing (Simple Loan) Information

Loan Amount	\$ 25,250
Annual Interest Rate	7.00%
Term of Loan in Years	5
First Day Interest Accrues	10/12/2010
Payment Frequency	Monthly
Days in Year	365

Summary

Daily Interest Rate	0.01918%
Number of Payments	\$ 61.00
Total Payments	\$ 30,010.09
Total Interest	\$ 4,760.09

Monthly Payment \$499.99 (rounded up)

† Cost per KW/Hr shown is derived either directly from the Properties Electric Bill or from The Bureau of Labor Statistics

* All cumulative cash flows are adjusted for a 3% inflation rate and an 8% discount rate.

** Net Present Value (NPV) analysis includes initial proposed system costs, energy savings, and maintenance savings.

*** Proposed System Cost is based on the System Cost (incl. lamp installation time) less any anticipated incentives

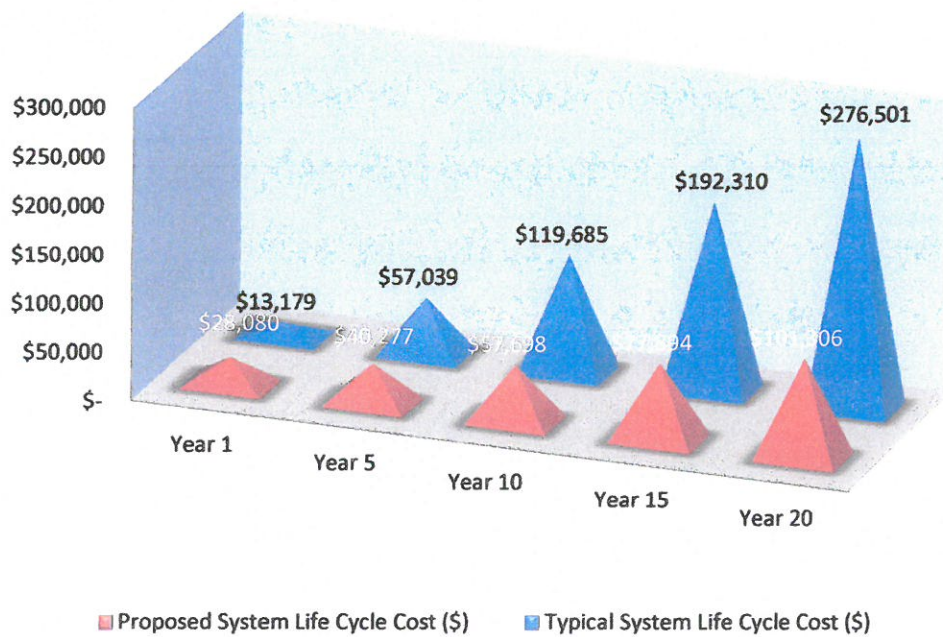
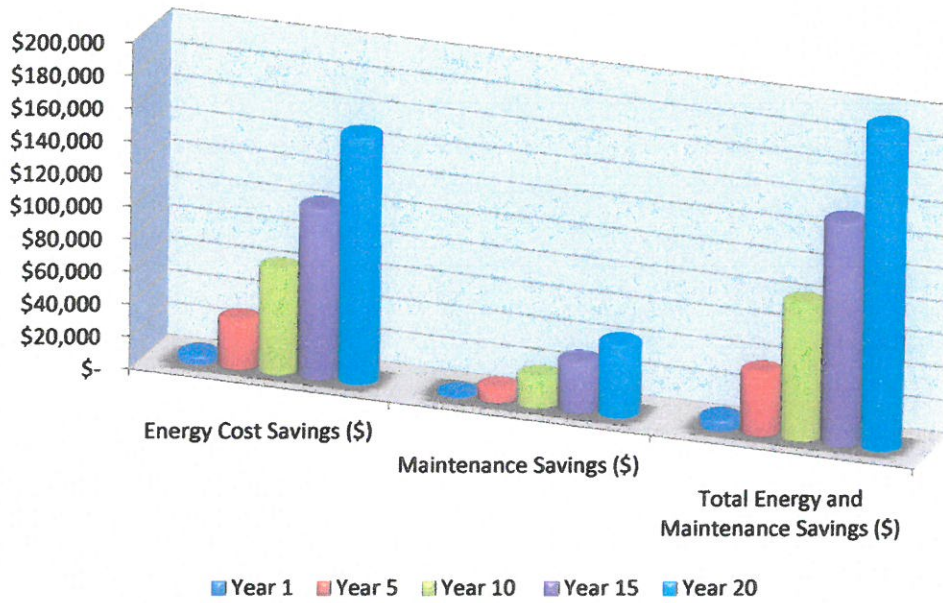
Projected savings and costs are based upon information regarding usage and fixture counts from the Customer.



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www.LEDOLAS.com**Decorative Globes - High and Low Poles
Project Investment****Proposed Lighting System**

	Area	Fixture Type	Quantity	Material Costs	Simple Payback (Years)
A1	Decorative Pedestrian Globes	Pedestrian Globe	30	\$10,050	4.46
	Decorative Pedestrian Globes	Pedestrian Globe	120	\$40,200	
A2					0.00
A3					0.00
A4					0.00
A5					0.00
A6					0.00
A7					0.00
A8					0.00
A9					0.00
A10					0.00
Totals			150	\$50,250	

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Decorative Globes - High and Low Poles**Energy Analysis****Existing Lighting System**

	Area	Fixture Type	Lamp Type	Lamp Quantity	Lamp Watts	Total Watts	Annual Burn Hours	Existing kWh Used	Existing Energy Cost
A1	Decorative Pedestrian Globes	Pedestrian Globe	Metalarc	30	175	5,250	4,368	22,932	\$2,752
	Decorative Pedestrian Globes	Pedestrian Globe	Metalarc	120	70	8,400	4,368	36,691	\$4,403
A2									\$0
									\$0
									\$0
A3									\$0
									\$0
									\$0
A4									\$0
									\$0
									\$0
A5									\$0
									\$0
									\$0
A6									\$0
									\$0
									\$0
A7									\$0
									\$0
									\$0
A8									\$0
									\$0
									\$0
A9									\$0
									\$0
									\$0
A10									\$0
									\$0
									\$0
Sub-Total Existing System				150		13,650		59,623	\$7,155

*Occupancy
Sensors



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Decorative Globes - High and Low Poles
Energy Analysis

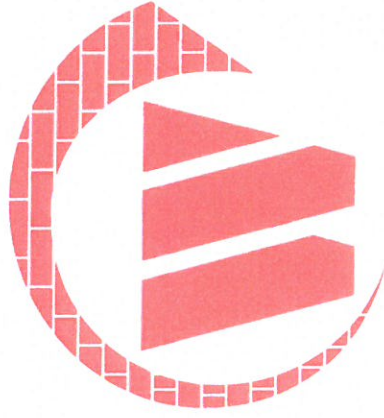
Proposed LED Lighting Solution								
	Area	Fixture Type	Lamp Quantity	Lamp Watts	Total Watts	Annual Burn Hours	Proposed kWh Used	Proposed Energy Cost
A1	Decorative Pedestrian Globes	Pedestrian Globe	30	60	1,800	4,368	7,862	\$943
	Decorative Pedestrian Globes	Pedestrian Globe	120	30	3,600	4,368	15,725	\$1,887
A2								
A3								
A4								
A5								
A6								
A7								
A8								
A9								
A10								

5,400

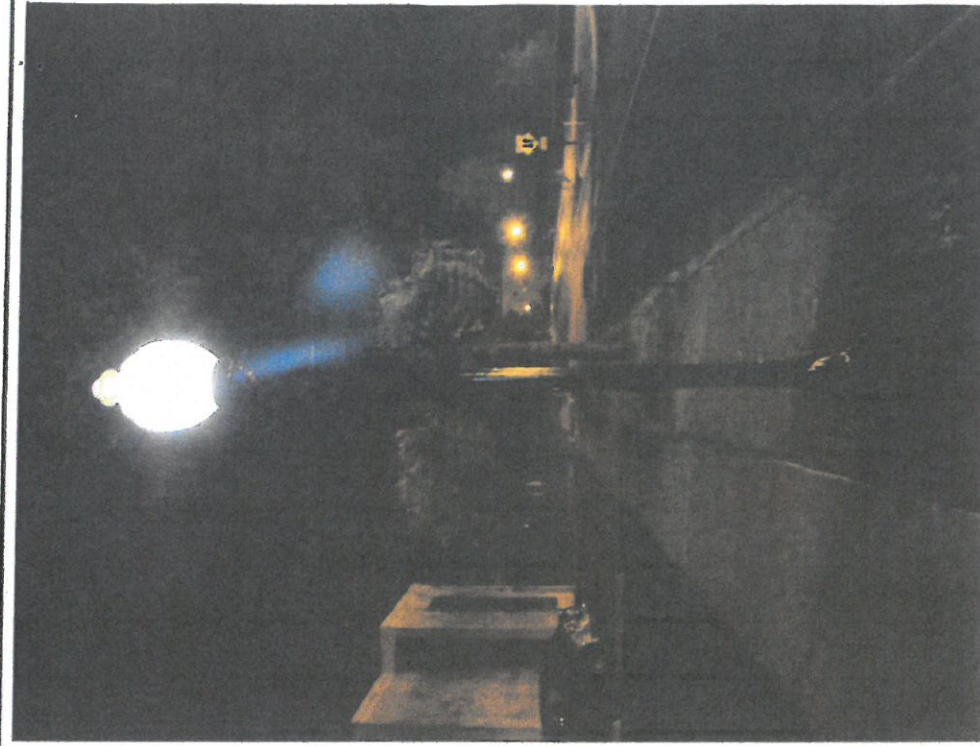
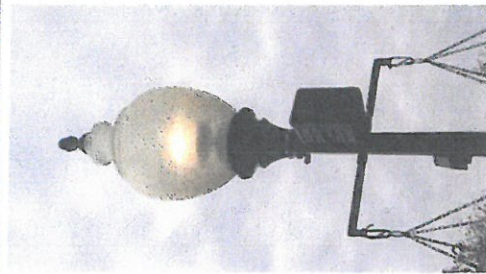
*Occupancy Sensors

Proposed Savings								
					Total Watts Saved		Total kWh Saved	Annual Energy Savings
		Total Savings			8,250		47,174	\$5,661
		Total CO ₂ Reduction (Tons per Year)						5.65

A Custom Lighting Solution prepared for:
Village of Westmont



Pedestrian and Parking Lot Lighting - Acorn Globes
Village Hall Pilot

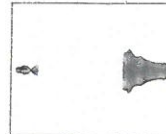


LEDOLAS

ILLUMINATING THE FUTURE TODAY

420 S. Clinton Suite 502
Chicago, Illinois 60607

Contact: David A. Cintron, Jr., AIA, LEED A.P.
email: dac@ledofas.com



A840 OLD TOWN SERIES

HID

JOB NAME	WESTMONT PEDESTRIAN STREET LIGHTS
FIGURE TYPE	DECORATIVE GLOBE
MEMO	70W Lamp Used in Street Pole

UL LISTED	5 YEAR WARRANTY	UL
MAXIMUM WATTAGE	1.05 (lb.)	70-175W
WEIGHT	14 LBS	5

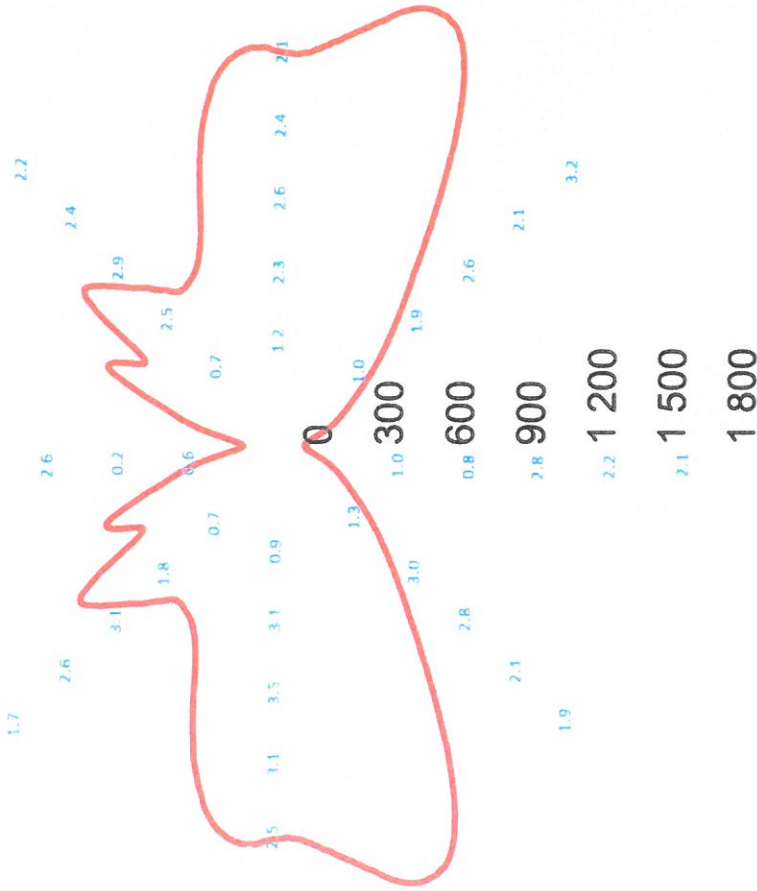
IESNA LM-63-2002
[TEST] 09383-AB40
[TESTED] LUMINAIRE TESTING LABORATORY, INC.
[ISSUEDATE] 11-28-2005
[MANUFACT] STERNBERG LIGHTING
[LUMCACT] AB40 RESG (ref:AB50 RESG)
[LUMCACT] CAST ALUMINUM HOUSING, CLEAR GLASS
REFRACTOR SURROUNDING LAMP, CLEAR POLYCARBONATE
[LAMP] ONE CLEAR V8D 555 70 WATT ED17 HPS LAMP
[LAMP]CAT SYLVANIA M70D/JU/MED



Option B – Existing Roadside Walkway (12 Foot Pole Mount)

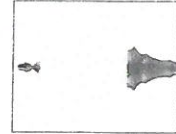
Lamp=5 600 lm
Max= 968.5 cd
Power= 70 W

Field Data= LUX (@ z=1m)
Manufacturer= IES



LEDOLAS

420 S. Clinton Street S01
Chicago, Illinois 60607
312.491.5069
Contact: David A. Clinton, Jr., AIA, LEED A.P.
email: dac@ledolas.com



420 S. Clinton Street S01
Chicago, Illinois 60607
312.491.5069
Contact: David A. Clinton, Jr., AIA, LEED A.P.
email: dac@ledolas.com

EPA
1.06 (ft.)
WEIGHT
14 LBS

5 YEAR
WARRANTY

MAXIMUM
WATTAGE
70-175W

UL
LISTED

A840 OLD TOWN SERIES

HID

JOB NAME	WESTMONT PEDESTRIAN STREET LIGHTS
FIXTURE TYPE	DECORATIVE GLOBE
MEMO	70W Lamp Used in Street Pole

IESNA LM-63-2002

[TEST] 09381-AB40

[TEST LAB] LUMINAIRE TESTING LABORATORY, INC.

[TEST DATE] 11/28/2005

[MANUFACT] 11/28/2005

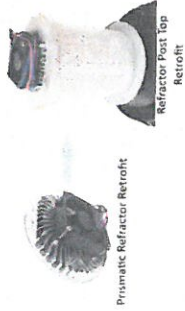
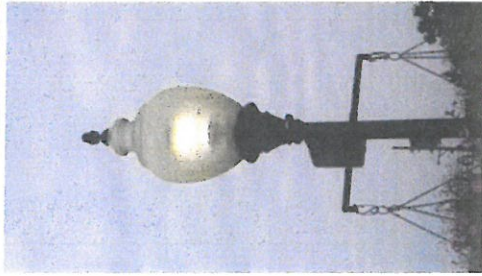
[LUMINAIRE] CAST ALUMINUM HOUSING, CLEAR GLASS PRISMATIC SYMMETRIC

[REFRACTOR] SURROUNDING LAMP, CLEAR POLYCARBONATE PATTERNED OUTER ENCLOSURE.
[LAMP] ONE CLEAR VBD S55 70 WATT E817 HPS LAMP RATED AT 3,600 LUMENS.
[LAMP CAT] SYLVANIA M70/U/MED

WST



Option B – Proposed Roadside Walkway (12 Foot Pole Mount)



Prismatic Refractor Retrofit

Refractor Post Top Retrofit

Specular reflector
cone at bottom to
disperse light 360°

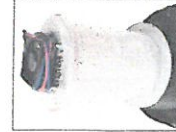


LEDOLAS

America's Top Fixture Types

430 S. Clinton Suite 501
Chicago, Illinois 60607
312.491.9098

Contact: David A. Cinton, Jr., AIA, LEED A.P.
email: dac@ledolas.com



Post Top Retrofit Solutions [30W-135W Post Top Retrofit]

50W / 100,000 HRS (L70) / 10 YEAR WARRANTY



LED

JOB NAME WESTMONT PEDESTRIAN STREET LIGHTS

FIXTURE TYPE DECORATIVE GLOBE RETROFIT

MEMO LOCATED ON QUINCY WEST OF RAMP

IESNA LM-63-2002

[TEST] 32139

[TEST] LIGHTING SCIENCES, INC.

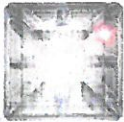
[ISSUE DATE] 9/20/2013

[MANUFACTURER] TECH LED - LED MODULE

[MANUFACTURER] WHITE INTERIOR AND CLEAR PLASTIC DIRECTIONAL LENSES

[LUMINAIRE] LUMINAIRE OUTPUT - 4900 LMS

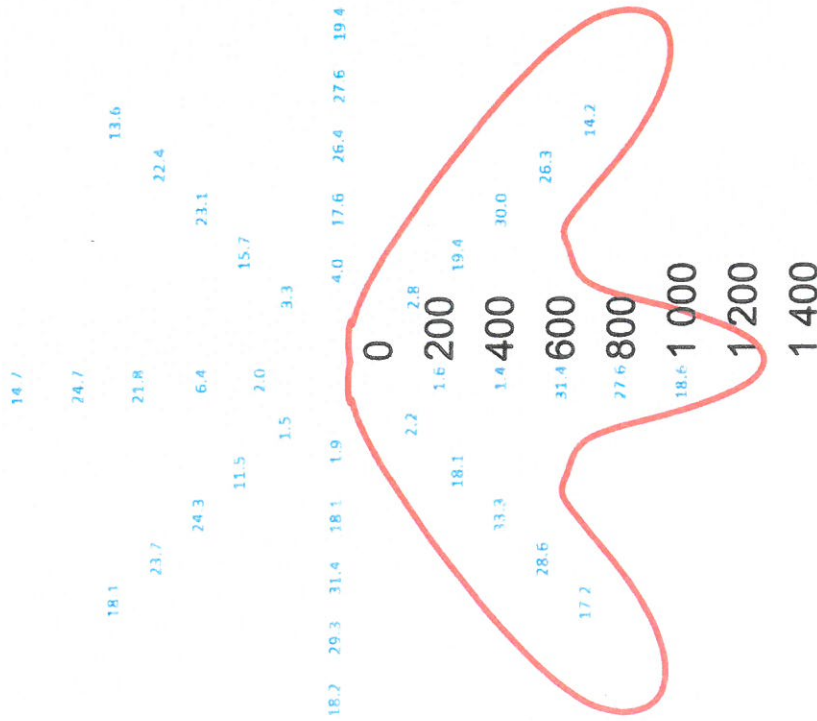
[OTHER] ONE TOLLWAY TUNN024V-100LS DRIVER OPERATING AT 120 VAC AND 57.6 WATTS



Option B – Proposed Roadside Walkway (12 Foot Pole Mount)

Lamp= 5 910 lm
Max= 1 500.9 cd
Power= 58 W

Field Data= LUX (@ z=1m)
Manufacturer= IES



LEDOLAS

420 S. Clinton Suite 501
Chicago, Illinois 60607
312.491.9069

Contact: David A. Clinton, Jr., AIA, LEED A.P.
email: dac@ledolas.com



Post Top Retrofit Solutions
[30W-135W Post Top Retrofit]

58W / 100,000 HRS (L70) / 10 YEAR WARRANTY



LED

JOB NAME WESTMONT PEDESTRIAN STREET LIGHTS

FIXTURE TYPE DECORATIVE GLOBE RETROFIT

MEMO LOCATED ON QUINCY WEST OF RAMP



IES/ALM-65-2002

TEST REPORT

TESTING LIGHTING SCIENCES, INC.

ISSUED 9/20/2013

MANUFACTURED BY LED - LED MODULE

LUMINAIRE WITH WHITE INTERIOR AND CLEAR PLASTIC DIRECTIONAL LENSES

[LAMP] 21 LEDS, LUMINAIRE OUTPUT = 4903 LMS

[OTHER] NONE FULHAM T12UV024V-100LS DRIVER OPERATING AT 120 VAC AND 57.6 WATTS

County DuPage
Local Public Agency Westmont
Section Number n/a
Route Cass Avenue

1. THIS AGREEMENT, made and concluded the 3rd day of March, 2016,
Month and Year
between the Village of Westmont
acting by and through its Mayor and Board of Trustees known as the party of the first part, and
LEDolas his/their executors, administrators, successors or assigns,
known as the party of the second part.
2. Witnesseth: That for and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring to these presents, the party of the second part agrees with said party of the first part at his/their own proper cost and expense to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this agreement and the requirements of the Engineer under it.
3. And it is also understood and agreed that the LPA Formal Contract Proposal, Special Provisions, Affidavit of Illinois Business Office, Apprenticeship or Training Program Certification, and Contract Bond hereto attached, and the Plans for Section n/a, in Westmont, IL 60559,
approved by the Illinois Department of Transportation on _____, are essential documents of this
Date
contract and are a part hereof.
4. IN WITNESS WHEREOF, The said parties have executed these presents on the date above mentioned.

Attest: _____ The Village of Westmont
Clerk By _____
Party of the First Part

(Seal)

(If a Corporation)
Corporate Name _____
By _____
President Party of the Second Part
(If a Co-Partnership)

Attest: _____
Secretary

Partners doing Business under the firm name of

Party of the Second Part
(If an individual)

Party of the Second Part



Route	<u>Cass Avenue</u>
County	<u>DuPage</u>
Local Agency	<u>Westmont</u>
Section	<u>n/a</u>

We , _____

a/an) ☐ Individual ☐ Co-partnership ☐ Corporation organized under the laws of the State of _____ ,
as PRINCIPAL, and _____

_____ as SURETY,

are held and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of _____

_____ Dollars (_____), lawful money of the
United States, well and truly to be paid unto said LA, for the payment of which we bind ourselves, our heirs, executors,
administrators, successors, jointly to pay to the LA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said Principal has entered into a written contract with the LA acting through its awarding authority for the construction of work on the above section, which contract is hereby referred to and made a part hereof, as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work and has further agreed to pay all direct and indirect damages to any person, firm, company or corporation suffered or sustained on account of the performance of such work during the time thereof and until such work is completed and accepted; and has further agreed that this bond shall inure to the benefit of any person, firm, company or corporation to whom any money may be due from the Principal, subcontractor or otherwise for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company or corporation for the recovery of any such money.

NOW THEREFORE, if the said Principal shall well and truly perform said work in accordance with the terms of said contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to him for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the LA and its awarding authority harmless on account of any such damages and shall in all respects fully and faithfully comply with all the provisions, conditions and requirements of said contract, then this obligation to be void; otherwise to remain in full force and effect.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this _____ day of _____ A.D. _____

PRINCIPAL

(Company Name)

By: _____
(Signature & Title)

Attest: _____
(Signature & Title)

(If PRINCIPAL is a joint venture of two or more contractors, the company names and authorized signature of each contractor must be affixed.)

STATE OF ILLINOIS,

COUNTY OF _____

I, _____, a Notary Public in and for said county, do hereby certify that

(Insert names of individuals signing on behalf of PRINCIPAL)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instrument as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____ A.D. _____

My commission expires _____

Notary Public

(SEAL)

SURETY

(Name of Surety)

By: _____
(Signature of Attorney-in-Fact)

STATE OF ILLINOIS.

COUNTY OF _____

I, _____, a Notary Public in and for said county, do hereby certify that

(Insert names of individuals signing on behalf of SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instrument as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____ A.D. _____

My commission expires _____

Notary Public

(SEAL)

Approved this _____ day of _____, A.D. _____

Attest:

Clerk

(Awarding Authority)

(Chairman/Mayor/President)

VILLAGE OF WESTMONT STANDARD CONDITIONS

CONTRACTOR DOCUMENTS

Any drawings, plans, standard conditions, special conditions, supplemental additional conditions, specifications, bid notice, schedule of prices, and addendum, if any, as specified herein shall form the "Contract Documents". For the purpose of this bid, the word "Village" shall refer to the Village of Westmont, and the word "Bidder" shall refer to any person, company, or entity submitting a bid. Any work shown or described in one of the documents shall be construed as if described in all the documents.

INTERPRETATION OF CONTRACT DOCUMENTS

Each request for interpretation of the Contract Documents shall be made in writing no less than five (5) business days prior to the scheduled bid opening date via fax to 630-829-4479 or email to:

Mr. Michael Ramsey
Director of Public Works
mramsey@westmont.il.gov

Mr. Noriel Noriega, PE, CPESC
Assistant Director of Public Works-Village Engineer
nnoriega@westmont.il.gov

Mr. James Cates
Public Works Supervisor
jcates@westmont.il.gov

Bidders are urged to submit questions as soon as possible as questions received after the deadline may not be answered.

ELECTRONIC BID DOCUMENTS

Bidders that download PDF documents from the Village of Westmont's internet web (www.westmont.il.gov) page must immediately notify the Village via email to nnoriega@westmont.il.gov if they intend to submit a response to the bid documents. This step is necessary to establish a communication link between the Village and the Bidder so that any addenda or any other relevant information may be transmitted properly. The Bidder, not the Village, is responsible for obtaining any addenda to the original specifications when the Bidder chooses the option of downloading bid or proposed files. Addenda and other relevant information will be posted on the Village web page.

SUBMITTAL OF BID

Bids must be submitted to the Village Municipal Services Office at:

Village of Westmont

Municipal Services
31 W. Quincy Street
Westmont, IL 60559

Bids must be submitted no later than 10:00 AM on Thursday, February 18, 2016. Bids arriving after the specified time will not be accepted. Mailed bids which are delivered after the specified time will not be accepted regardless of postmarked time on the envelope. Bidders should carefully consider all bid delivery options (US Postal Service, UPS, Federal Express, private delivery service, etc) and select a method that will successfully deliver their bid by the required time and date. Bids shall be submitted in sealed envelopes carrying the following information: Bidder's name, address, subject matter, and document number of bid as indicated in the specification, and designated date and time of the bid opening.

WITHDRAWAL OF BID

Bidders may withdraw or cancel their bid, in written form, at any time prior to the advertised bid opening time.

BIDDER'S QUALIFICATIONS

No award will be made to any Bidder who cannot satisfy to the Village that they have sufficient ability and experience in this class of work, as well as sufficient capital and equipment to do the job and complete the work successfully within the time named. The Village's decision or judgement on these matters shall be final, conclusive, and binding. The Village may make such investigations as it deems necessary. The Bidder shall furnish to the Village, under oath if so required, all information and data the Village may request for the purpose of investigation.

If requested, the interested Bidder must provide a detailed statement regarding the business and technical organization of the Bidder that is available for the work that is contemplated. Information pertaining to financial resources, experiences of personnel, previously completed projects, plant facilities, and other data may also be required to satisfy the Village that the Bidder is equipped and prepared to fulfill the Contract should the Contract be awarded to him. The competency and responsibility of Bidders and their proposed subs will be considered in making awards.

The Village may make such investigations as it deems necessary, and the Bidder shall furnish to the Village under oath, if so required, all such information and data for this purpose as the Village may request. A responsible Bidder is one who meets all of the following requirements:

- Have adequate financial resources or the ability to secure such resources.
- Have the necessary experience, organization, and technical qualifications, and has or can acquire, the necessary equipment to perform the proposed Contract.
- Is able to comply with the required performance schedule or completion date, taking into account all existing commitments.
- Has a satisfactory record of performance, integrity, judgement, and skills.
- Is qualified and eligible to receive an award under all applicable laws and regulations.

If the Bidder possesses a current Illinois Department of Transportation "Certificate of Eligibility" with an amount for the work specified at least equal to the minimum amount of qualification indicated on the Legal Notice, he may choose to provide the Village a copy of the certificate in lieu

of providing the above mentioned Bidders Qualification requirements.

PREPARATION OF BID

The Bidder's submittal shall include the complete Schedule of Prices found in the Contract Documents. The Village will strictly hold the Bidder to the terms of the bid. The bid must be executed by a person having the legal right and authority to bind the Bidder.

REVIEW OF PROJECT SITE & CONTRACT DOCUMENTS

By preparing a bid on this project, the Bidder acknowledges and agrees that the Contract Documents are complete and sufficient to enable the bidder to determine the cost of work and to enable him to furnish material in accordance with all applicable laws and regulations governing the work and otherwise fulfill his obligations under and as provided in the Contract. The Bidder further acknowledges that he has visited and examined the site for all conditions affecting the work and is fully familiar with all of the conditions affecting the same and has considered all these factors in preparing this bid.

No claim whatsoever will be allowed to any contract for changes, extra work, or material(s), not included in the Bidder's original bid, or for a greater amount of money than the contract states is to be paid, for any reason, including, but not limited to subsurface or latent physical conditions, or unknown physical conditions at the site. The Bidder is responsible for making full examination of the site of the proposed work, and bid documents, specifications, general conditions, plans, special provisions, and contract forms before submitting their bid. The Bidder is responsible for fully informing themselves as to the quality and quantity of materials required, and the character of the work to be performed.

COMPLIANCE WITH LAWS

The Bidder shall at all times observe and conform to all laws, ordinances, and regulations of the Federal, State, and local governments, which may in any manner affect the preparation of bids or performance of the contract.

ALTERNATE TO BIDS

Any reference in these specifications to manufacturer's name, trade name, or catalog number (unless otherwise specified) is intended as a standard only. The Village's written decision of approval or disapproval of a proposed substitution shall be final.

Alternate bids will be considered only if received at the time stated for receipt of the bids. Submit alternate bids in a sealed envelope and identify the envelope as required for all bids, except that the phrase ALTERNATE BID shall be used. Bidders are cautioned that, if an alternate bid(s) involves an increase in the Bid Sum, the Bid Deposit, if required, shall be ample or be increased to cover the alternate Bid Sum or the entire bid may be rejected.

FORM OF CONTRACT

The form of contract between the Village and the successful Bidder will be a purchase order

referencing the bid specification and the bid submitted by the successful Bidder.

TERMS OF CONTRACT

Upon award, the term of this Contract shall be in full force to the right of the Village to cancel and terminate the same at any time by giving a 30-day notice in writing to the Contractor. In the event of such cancellation, the Contractor shall be entitled to receive payment for services and work performed, and materials, supplies, and equipment furnished under the terms of the Contract prior to the effective date of such cancellation, but will not be entitled to receive any damages on account of such or any further payment whatsoever.

The Owner and Engineer reserve the right to delete, decrease or increase certain pay items. No additional compensation will be allowed for any deletions or decreases in the contract.

BID REVIEW

The Village reserves the right to reject and or all bids and/or to waive any irregularities or disregard any informality in the bids and bidding when, in its opinion, the best interest of the Village will be served by such action. Furthermore, the Village reserves the right to award each item to a different Bidder, or all items to a single Bidder unless otherwise noted on the Schedule of Prices. The Village may determine as follows: 1) an equal or alternative is a satisfactory substitute; 2) an early delivery date is entitled to more consideration than price; 3) an early delivery date is to be disregarded because of the reputation of the Bidder for not meeting delivery dates; 4) a Bidder is not a responsible Bidder; and 5) what exceptions or deviations from written specifications will be accepted.

No bid will be accepted from or contract awarded to any person, firm, or corporation that is in arrears or is in default to the Village upon any debt or contract, or that is a defaulter, as surety or otherwise, upon any obligation to the Village, or had failed to perform faithfully any previous contract with the Village.

The bidders will include in the bid price any financing cost needed to meet the above payment schedule.

DELIVERY

Where applicable, all materials shipped to the Village must be shipped to the Village's Public Works Department. Prior arrangements must be made by the Bidder, with concurrence by the Village, for receipt of the materials. The materials must be delivered where directed. Truck deliveries will be accepted at the Public Works Facility between 7:30am and 4:00pm on Village business days.

Village of Westmont
Public Works Department
39 E. Burlington Avenue
Westmont, IL 60559

The Village shall have the right to inspect any materials, components, equipment, supplies,

services, or completed work specified herein. Any of said items not complying with these specifications are subject to rejections at the option of the Village. Any items rejected shall be removed from the premises of the Village and/or replaced at the entire expense of the successful Bidder.

GUARANTEES AND WARRANTIES

All guarantees and warranties required shall be furnished by the Bidder and shall be delivered to the Village before final payment on the contract is issued.

TERMINATION OF CONTRACT

The Village reserves the right to terminate in whole or any part of this contract, upon written notice to the Bidder, in the event of default by the Bidder. Default is defined as failure of the Bidder to perform any of the provisions of this contract or failure to make sufficient progress so as to endanger performance of this contract in accordance with its terms. In the event of default and termination, the Village may procure, upon such terms and in such a manner as the Village may deem appropriate, supplies, or services similar to those terminated.

The Bidder shall be liable for any excess costs for such similar supplies or services unless evidence is submitted to the Village that, in the sole opinion of the Village, clearly proves that failure to perform the contract was due to causes beyond the control and without the fault of negligence of the Bidder.

INSURANCE

This item shall comply with the requirements of Article 107.27 of the "Standard Specifications" and the following Special Provisions.

The provider agrees to indemnify, save harmless, and defend the County of DuPage, the State of Illinois, and the Village of Westmont, its agents, servants, and employees and each of them against and hold it and them harmless from any and all lawsuits, claims, demands, liabilities, losses and expenses, including court costs and attorney's fees, for or on account of any injury to any person, or any death at any time resulting from such injury, or any damage to property, which may arise or which may be alleged to have arisen out of or in connection with the work covered by this contract. The foregoing indemnity shall apply except of such injury, death or damage caused directly by the willful and wanton conduct of the County of DuPage, State of Illinois, and the Village of Westmont, its agents, or employees or any other person indemnified hereunder.

CHANGE ORDERS

After the contract award, changes in or additions to the work and/or a change in the amount of money to be paid to the Bidder must be the result of an approved change order first ordered by the Director of Public Works and approved by the Village Manager and/or the Village Board.

FAILURE TO EXECUTE

Failure to execute the contract shall, at the option of the Village, constitute a breach of the

agreement made by acceptance of the bid, and the Village shall be entitled to forfeiture of the certified check, bank draft, or Bid Bond accompanying the bid that is required, not as a penalty, but as liquidated damages. In the event of failure of a Bidder to whom an award of contract has been made, to execute the contract and furnish a Performance Bond within ten (10) days after notification of award, such award may be nullified and an award may be made to the next lowest responsive and responsible Bidder approved by the Village.

PAYMENT

Payment requests shall be agreed upon between the Village and the Contractor, and an invoice shall be submitted by the Contractor, complete with all required waivers of lien and surety. Approval of the final pay estimate by the Director of Public Works shall constitute acceptance of the project by the Village, and written notice of such action shall be given to the successful Bidder. the date of approval of the final pay estimate shall be the Date of Acceptance, and shall also be the date of the Start of Guarantee.

Prior to the required Date(s) of Substantial Completion, a partial project acceptance may be granted in accordance with the foregoing procedure for entire project acceptance, with the exception that the pay estimate for the quantities of items included in the partial project acceptance shall not be the final pay estimate for the entire project. In the case of the Village's acceptance of any portion of the work as may be required because of the inclusion of a Date of Substantial Completion requirement, or for other reasons as may be agreed to by the Village, such partial acceptance action shall not constitute acceptance of any other portion of the project not noted in the written notice of partial acceptance which shall be provided to the Bidder by the Director of Public Works.

GENERAL GUARANTEE

Neither the final certificate of payment nor any provision in the Contract Documents, nor partial or entire occupancy of the premises by the Village, shall constitute an acceptance or materials not done in accordance with the Contract Documents or relieve the successful Bidder of liability in respect to any express warranties or responsibilities for faulty materials or workmanship. The Bidder shall remedy any defects in the work and pay for any damage to other work resulting therefrom, which shall appear within a period of 1-year from the date of final acceptance of the work unless a longer period is specified. The Village will give notice of observed defects with reasonable promptness. The Bidder shall guarantee all materials as defined by the Performance Bond, Labor and Material Payment Bond, and Maintenance Bond requirements.

Unless otherwise amended in writing by the Director of Public Works, the date of the Start of any Guarantees, Warranties, and Maintenance Bonds shall be coincident with the Date of Acceptance of the entire project.

VILLAGE OF WESTMONT SPECIAL PROVISIONS

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction", adopted January 1, 2012 and the "Supplemental Specifications and Recurring Special Provisions", adopted January 1, 2015 (as indicated on the check sheet included herein), the latest editions of the "Manual of Test Procedures for Materials", the "Standard Specifications for Traffic Control Items", the "Manual on Uniform Traffic Control Devices", and the National Electrical Code in effect on the date of invitation for bids. These Special Provisions included herein apply to and govern the proposed improvement designated as:

VILLAGE OF WESTMONT 2016 CBD PEDESTRIAN LED RETROFIT LIGHTING PROJECT

In case of conflict with any part or parts of said specifications, the said Special Provisions shall take precedent and shall govern.

PROJECT TIMING

Fabrication is scheduled to begin upon the proper execution of the contract documents, which includes the submission of the insurance and bonds. The bidder shall furnish the retrofit kit and Village approved drawings or product documentation on or before April 15, 2016.

Failure to comply with the deadline shall result in the enforcement of liquidated damages in the amount of not less than \$25,000.00 (the amount of the Illinois Clean Energy Community Foundation grant). This grant is being used to help supplement the cost of this project and the April 15, 2016 deadline is required to take advantage of the grant.

PEDESTRIAN LED RETROFIT LIGHT

It is the intent of the Village of Westmont (hereafter Village) to receive bids from contractors and/or lighting manufactures that have teamed up to provide the most cost effective process to retrofit approximately 150 existing pedestrian lights within the Village's Central Business District (hereafter CBD). The bid consists of furnishing a LED retrofit unit within the existing Sternberg acorn style luminaire housing. The luminaires to be replaced are all 50w Metal Halide fixtures mounted on 10-foot pedestrian poles throughout the Village's CBD. Installation of the LED retrofit shall be performed and completed by Village staff.

The successful bidder shall furnish the LED retrofit kit along with drawings and product documentation sufficient for the Village to use for staff to perform the installation. The method of installing the LED retrofit unit to the existing luminaire shall be provided. Photometric calculations shall be provided and will be subject to review by the Village. Luminaires will be reviewed for compliance with bid documents prior to selecting low bidder. If luminaire is not in compliance, the bid shall be rejected.

Prior to ordering materials, the successful bidder shall review the lighting units with the Village or their designated representatives to confirm limits and fixtures included within this project to verify specifications and wattages.

LED Retrofits

Village staff should be able to remove the existing internal lighting components from the existing Sternberg luminaires. Removal will include the bulb, fixture, ballast, and connection hardware. The existing Sternberg housing shall remain where the LED retrofit light engine shall mechanically attach to the existing fixture.

Requirements for LED Engine

1. LED Engine must be equipped with an LED Smart Driver: LED Smart Driver provides current regulation for each individual cluster of LED's using buck mode PWM control with high side current sense. Current accuracy over the LED operating temperature range must be +/- 3%.
2. LED Engine must be programmed with Life Synch software to provide the following standard features:
 - A. Multiple temperature control values. Over temperature protection, shut down at critical temperature and resume operation temperature.
 - B. Under voltage lockout for power off or brownout.
 - C. Soft start. Power up must be soft over a 10 second period.
 - D. Wattage Switches. LED Engine shall have the capability to select 4 wattages on PCB Board with the ability to adjust in the field.
 - E. Pre-Programmed Dimming Switch. LED Retrofit shall have a software program for dimming via switch option for 5 hours at 100%, 6 hours 50%, remaining on hours 100% until reset by timers or photocells turning unit off during daylight hours for additional savings in energy.
 - F. Life Synch Software automatically adjusts current and forward voltage to LED's to guarantee the integrity of the Engine and no light degradation for 70,000Hrs
3. LED's- LED's must be Philips Lumiled "T" chips operating at 900Ma
4. Correlated Color Temperature (CCT): LED color must be 3000K (+/-300)
5. Thermal Management: LED Retrofit must have Active cooling using MagLev® Fan
6. Operating Environment: LED shall be able to operate normally in temperatures from -40°C to 85°C.
7. Operating Temperatures of LED at 25°C: Slug temperature cannot exceed 60°C. Casting temperature cannot exceed 60°C.
8. Power Requirement: Engines must deliver from 30w to 60w per Engine at a minimum of 100LPW, and have the ability to be scaled to custom retrofit design.
9. Power Supply/Driver Requirements: UL Class 2 Power Class A sound rating. Minimum efficiency of <87%.
10. Power Supply shall operate between -20°C and 50°C.
11. 24V Operation: If 480V is required, a 480V Driver must be provided with no step down transformers.
12. Constant Voltage Required
13. Minimum Light Efficacy: 100 Lm/W
14. Optics and Distribution: Type 2, 3, 4, or 5 optics must be provided to meet specific criteria.
15. ARRA-UL-DLC and Night Sky Compliant: Must be certified for all
16. Warranty: A warranty must be provided for the full replacement of the LED Engine

due to any failure for ten (10) years. The warranty shall provide for the repair or replacement of defective driver for a minimum of five (5) years from the date of purchase.

EXISTING PEDESTRIAN STERNBERG LIGHT POLES

Pedestrian poles are ten (10) foot tall "Denver Series" as manufactured by Sternberg. A copy of the approved drawing as installed in 2003 is part of the contract documents.

Existing luminaires are "A850 Old Towne Series" as manufactured by Sternberg and consists of an acorn globe, fitter, refractor, refractor holder, lamp, lamp socket, ballast, and any other hardware required.

Existing lamp sockets are mogul type and porcelain enclosed.

Existing acorn globes are 16" in diameter and 29-½" tall with an 8" diameter neck made of vandal resistant clear textured polycarbonate materials.

PAYMENT

The Village will pay for the LED Retrofit Kit in two (2) payments. The first payment will be made upon receipt of the kits (excluding 10% retainage). Pay estimates must be submitted to the Public Works Department for review a minimum of ten (10) business days prior to Village Board Meetings. The Village Board meets every two (2) weeks throughout the year. Final payment shall not be made until all installation issues have been addressed to the satisfaction of the Village.

May-14-03 03:42P Peter Duffacy
16:37 From STERNBERG LIGHTING

630 629 6037
1-984 P.02/03 F-427

	POLE HEIGHTS HAVE A TOLERANCE OF + OR - 2" MAY 14 2003 3/4" = 1" RB-1
	WESTMONT, IL AB50 508 44:014-3 JCT SINCE 1923 STERNBERG
SOCKET TYPE <input checked="" type="checkbox"/> MEDIUM BASE <input type="checkbox"/> MOGUL BASE	VOLTAGE <input type="checkbox"/> /120-WIRE TO <input type="checkbox"/> /208 <input type="checkbox"/> /240 <input type="checkbox"/> /277 <input type="checkbox"/> /480 <input type="checkbox"/> /MULTI <input type="checkbox"/> /ADVISE
LIGHT SOURCE AND WATTAGE <input type="checkbox"/> INCANDESCENT <input type="checkbox"/> 50 MV <input type="checkbox"/> 75 MV <input type="checkbox"/> 100 MV <input type="checkbox"/> 175 MV <input type="checkbox"/> 250 MV <input checked="" type="checkbox"/> 50 MH <input type="checkbox"/> 70 MH <input type="checkbox"/> 100 MH <input type="checkbox"/> 175 MH <input type="checkbox"/> 250 MH <input type="checkbox"/> /ADVISE	METAL HALIDE HIGH PRESSURE SODIUM

APPROVED
NORIEL S. NORIEGA
 ASSISTANT VILLAGE ENGINEER
 DATE: 05/18/03

ACCESS DOOR SECURED
 WITH STAINLESS STEEL
 ALLEN HEAD SCREWS

VERBAL APPROVAL FROM
 BOB FLECK 05/15/03.